

# Comparisons of Job Characteristics

**Focus Occupation:** [First-Line Supervisors of Production and Operating Workers \(51-1011\)](#)

**Associated Occupation:** [Stationary Engineers and Boiler Operators \(51-8021\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 45

**Focus Occupation:** First-Line Supervisors of Production and Operating Workers (51-1011)

**Associated Occupation:** Stationary Engineers and Boiler Operators (51-8021)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	18.6	10.9	<<	Extensive education and/or training may be required
Public Safety and Security	6.9	10.6	7.3	<<	Extensive education and/or training may be required
Engineering and Technology	5.7	10.4	8.3	<	Expanded education and/or training may be required
Chemistry	4.8	10.0	5.0	<<	Extensive education and/or training may be required
Physics	4.3	9.6	3.6	<<	Extensive education and/or training may be required
Building and Construction	4.0	9.2	2.6	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 28

**Focus Occupation:** First-Line Supervisors of Production and Operating Workers (51-1011)

**Associated Occupation:** Stationary Engineers and Boiler Operators (51-8021)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation Monitoring	6.6	10.7	8.1	<<	Extensive development of skills in this area may be required
Operation and Control	5.4	9.6	5.1	<<	Extensive development of skills in this area may be required
Troubleshooting	4.5	9.2	5.5	<<	Extensive development of skills in this area may be required

Equipment Maintenance	3.5	8.5	4.1	<<	Extensive development of skills in this area may be required
Repairing	3.4	8.5	4.1	<<	Extensive development of skills in this area may be required
Equipment Selection	3.3	6.5	3.6	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 77				
Focus Occupation: First-Line Supervisors of Production and Operating Workers (51-1011) Associated Occupation: Stationary Engineers and Boiler Operators (51-8021)						
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation		
Perceptual Speed	7.4	10.7	8.4	<	Some improvement in abilities may be required	
Multilimb Coordination	6.0	10.2	6.4	<<	Extensive improvement in abilities may be required	
Selective Attention	8.7	10.1	8.9	<	Some improvement in abilities may be required	
Auditory Attention	5.9	9.1	6.0	<<	Extensive improvement in abilities may be required	
Reaction Time	4.8	8.3	6.0	<<	Extensive improvement in abilities may be required	
Hearing Sensitivity	5.6	7.9	5.5	<<	Extensive improvement in abilities may be required	

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 54
<b>Focus Occupation: First-Line Supervisors of Production and Operating Workers (51-1011)</b> <b>Associated Occupation: Stationary Engineers and Boiler Operators (51-8021)</b>		
Work Activities	Exclusivity of Activity	
Adjust production equipment/machinery setup	25	
Maintain production or work records	19	
Monitor production machinery/equipment operation to detect problems	27	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 59

**Focus Occupation: First-Line Supervisors of Production and Operating Workers (51-1011)**  
**Associated Occupation: Stationary Engineers and Boiler Operators (51-8021)**

Tools and Technologies	Exclusivity
Computers	1
Content authoring and editing software	1
Data management and query software	1
Information exchange software	1
Network applications software	1
Respiratory protection	6
Safety apparel	4
Vision protection and accessories	3

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.